

42390.P7511



PATENT

171 Arnold B
Arons
1/26/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Ali Keshavarzi et al.)
Application No.: 09/469,406)
Filed: December 22, 1999)
For: DECOUPLING CAPACITORS FOR THIN)
GATE OXIDES)

)

Examiner: Donghee Kang
Art Unit: 2811

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Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

Sir:

This is in response to the non-final Office action dated June 5, 2001. Reconsideration of the application is requested.

ENTIRE SET OF PENDING CLAIMS (Clean version)

29. (New) A die, comprising:
a first conductor carrying a power supply voltage;
a second conductor carrying a ground voltage; and
a semiconductor decoupling capacitor to provide decoupling capacitance between the first and second conductors, the semiconductor decoupling capacitor including:
(a) a gate electrode coupled to the first conductor to receive the power supply voltage,
(b) a diffusion coupled to the second conductor to receive the ground voltage, and
(c) a body to receive the ground voltage through the diffusion, the semiconductor decoupling capacitor thereby being in depletion mode.

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